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QUICK LOOK ANALYSIS OF LOS ANGELES TEST SITE SCENE
WITH GENERAL ELECTRIC MULTISPECTRAL INFORMATION EXTRACTOR
SYSTEM (GEMS)

SR124, NAS5-21797

PRESENTED:

COMMENTS BY, Dr. Richard Economy
General Electric Co.
Valley Forge, Pa.

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The analysis reported here is from the ERTS 1018-18010 scene, a 9.5" color transparency with MSS bands 4, 5 and 7 received a few days ago. The analysis on the GEMS was done during half-a-day on the system with some real-time communication with the Test Site Coordinator, Mr. Jene McKnight, of the county of Los Angeles Regional Planning Commission over long distance phone. A color print of the scene was made available to Mr. McKnight whose visual observations and comments helped in selecting and analysing the topics and areas selected to report here. He was very impressed with the imagery even though it is not as sharp as the Monterey scene print he had seen earlier. His detailed comment will be relayed in the next bi-monthly report.

The two topics for quantitative analysis were:

1. Agricultural Inventory in a portion of the Antelope Valley
2. Surface water bodies in the western county

The ground truth data for the field corps for 1972, is being obtained by Mr. McKnight from the County Agricultural Field Representative in Lancaster, California to verify the ~~X~~ GEMS-analysed acrages. The ~~RPR~~ RPC supplied the 1971 crop data for the Alpine Butte quadrangle as well as the average data

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over a few years gathered for their Environmental Design Guide program.

The water bodies surface areas as analysed from the ERTS imagers by GEMS, both in the CRT display form as well as the digital printouts are being obtained by Mr. McKnight from the two major agencies under whose jurisdiction the public water management falls:

1. The State Water Resources Board
- 2 The Los Angeles City Water and Power Department

A comparison of the GEMS evaluated data with any available for August 10, 1972 - the date of orbit 18 over LA - will be reported in the next bi-monthly report.

SUMMARY SUBMITTED BY:

S. Raje
P.I. PR169

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